

RPMS-EHR and EMPI

Information Systems Advisory Committee

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Objectives

- Request to ISAC for elevation of EMPI priority to level of RPMS-EHR priority
- EMPI project status update

EMPI Definition

- Enterprise Master Person Index (EMPI) – an enabling software that allows for disparate systems (facility RPMS-EHR databases, external systems) to communicate and exchange data.
 - Medical data,
 - Billing/insurance data,
 - Demographic data,
 - Employment data, etc.

EMPI: Mission Support

- ISAC Priority Supported:
 - Master Patient Index
- IHS Strategic Objectives Supported:
 - Achieve compassionate, quality health care
 - Embrace innovation
- HHS Strategic Objectives Supported:
 - Improve the Quality of Health Care
 - Increase health care service availability and accessibility
 - Improve health care quality, safety, cost and value
- Administration Priority Supported:
 - Executive Order for interoperable health records, 2004

EMPI: Federal Drivers

- IHS needs to align with Federal Initiatives
 - AHIC-interoperable nationwide HIS
 - Federal Healthcare Architecture
 - HSPD-12 – HHS Identity
 - Correlations available for future domains (e.g., FBI, Homeland Security)

RPMS – EMPI Relationship

- RPMS is local health information system
 - Patients are uniquely identified locally (HRN)
 - Same identifier applies to different patient elsewhere
 - Can't share clinical information for patient care
- EMPI allows resolution of identity across RPMS systems
 - View data – test results, medications, images, etc.
 - Avoid duplication of services, errors
- EMPI allows resolution of identity between systems
 - Third party eligibility
 - Clinical data with non-RPMS systems

RPMS-EHR-EMPI Goals

- Improve Patient Safety
 - Share patient data among I/T/U and partner organizations to provide comprehensive patient care.
- Increase accuracy of population data
 - Improve quality of patient data collection throughout the IHS enterprise
- Consolidate the billing process to enhance third party billing efficiency

RPMS-EHR-EMPI: Benefits

- Improve savings, efficiency and effectiveness of health care delivery
 - Enhance third party billing
 - Identification of eligibility
 - Expedite responses to payor requests
 - Remote data view
 - Tribal-RHIO
 - Reduce cost and save time
 - Medical data collection
 - Data duplication management
 - Error corrections

EMPI Project Status

- Business Case Request
- Functional Requirements documents prepared and validated by:
 - IHS-CTO (M. Danielson)
 - IHS-EMPI team members
 - VA-IMP staff
 - ATHS HIE Project Manager (R. Hall)
 - Gartner consultant (B.Hieb)
 - Regenstrief EMPI medical informatics researcher (S. Grannis)
 - Tennessee Department of Health (J. Roberts)
- Subject Matter Expert (SME) meeting in January 2008
 - Review vendor demos
 - Select final EMPI alternative
- Final Business Case Report presentation to ITIRB - February 2008.

EMPI Project Status

Alternatives

- Status quo
- Existing government off-the-shelf - VA
- Commercial off-the-shelf
- Collaborative – HHS-Identity; CMS

EMPI Project Status

Initial Benefit Cost Analysis (BCA)

Alternative	Seven-year Cost (\$Millions)	Seven-year Benefits (\$Millions)	Seven-year ROI
1. Status Quo	301.254	0	None
2. GOTS (VA)	23.870	301.254	1077.4%
3. COTS	29.993	301.254	824.0%
4. Collaborative	?	?	?

EMPI Project Activities

- Review IHS-EMPI historic initiatives
- Patient Merge Beta Test
- MPI Proposal – \$1.8 million - first year
- Designated Project Manager
- Added to OIT spending plan and the CPIC investment portfolio
- Establishing bench test of VA's MPI with necessary interfaces developed to RPMS
- Review vendor EMPI demos

EMPI Project Collaborations

- Non-federal EMPI initiatives & research (Gartner, IHE, Regenstrief, Harvard)
- HHS-Identity project - biweekly meetings
- VA-EMPI ongoing collaboration
 - **VA-EIM Tiger initiatives**
 - **VA-IHS discussions**

EMPI Project Concerns

- Data cleansing prior to EMPI implementation - Patient Merge Utility - Beta Testing
- EMPI installation only at sites with a certain level of RPMS
- Patient consents for HIPAA compliance
- Business agreements with non-IHS sites

EMPI: Questions

For more information contact

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RPMS-EHR-EMPI: Benefits

- Improve patient safety
- Improve savings, efficiency and effectiveness of health care delivery
- Improve patient and user satisfaction
- Improve data integration
- Improve data interoperability
- Improve audit and tracking
- Improved security